

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P798291

Luminaire Tested: 14SRC-SCT3-UNV-LOW-3000K

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798291
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2311-232-4)
Test Lab: INNOVATION CENTER
Issue Date: 3/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14SRC-SCT3-UNV-LOW-3000K
Description: SkyRidge LED Selectable
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

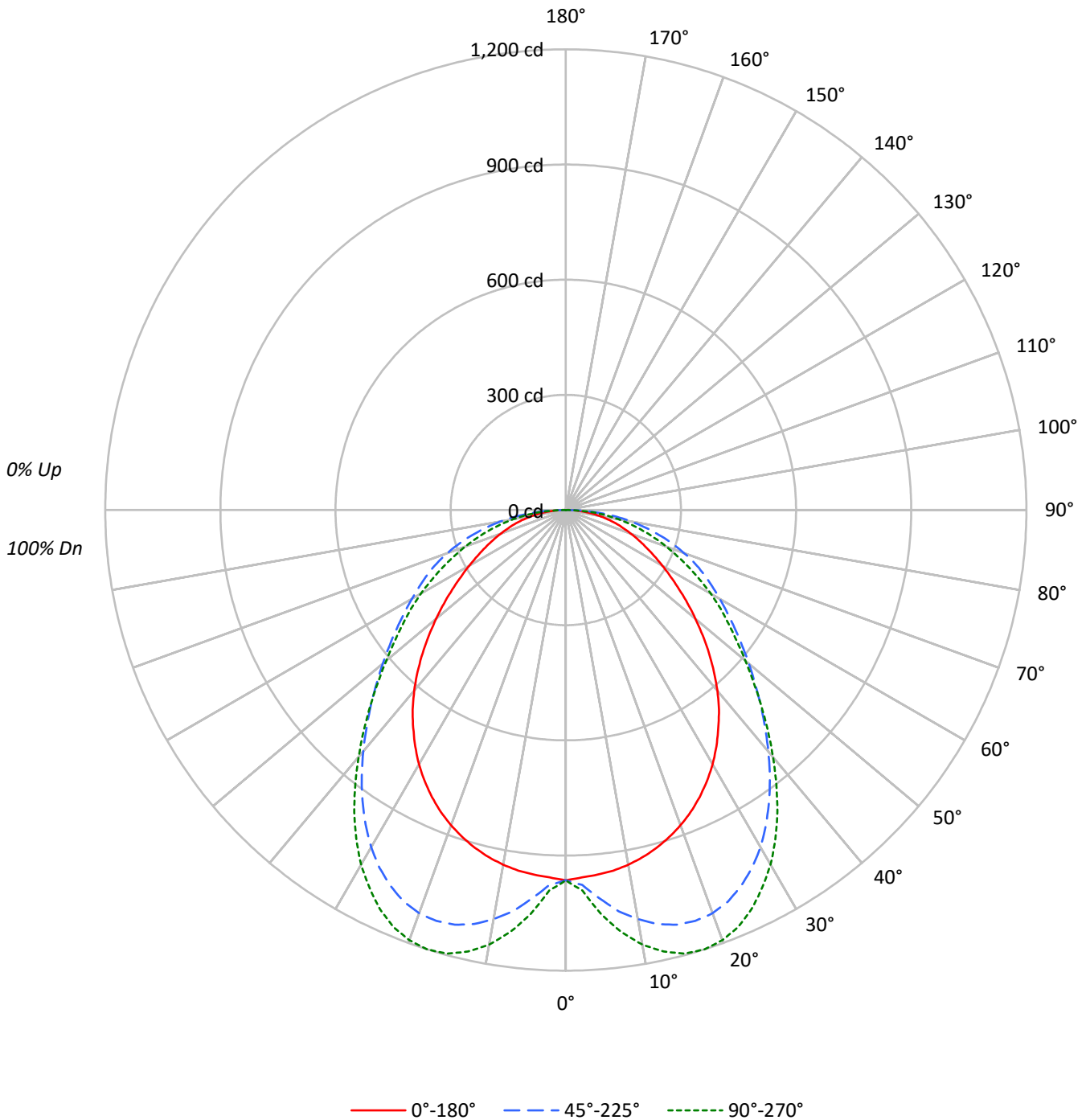
Lumens per Lamp: N/A
Luminaire Lumens: 3084.0 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.48 / 1.45
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 24.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	108	103	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	85	85	85	83
2	99	90	83	78	96	88	82	77	85	79	75	81	77	73	78	75	71	71	71	71	69
3	90	79	71	65	88	78	70	64	75	68	63	72	66	62	69	65	61	61	61	61	59
4	83	71	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	52	52	52	50
5	76	63	54	48	74	62	54	47	60	52	47	58	51	46	56	50	46	46	46	46	44
6	70	57	48	42	68	56	48	41	54	47	41	53	46	41	51	45	40	40	40	40	38
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	47	41	36	36	36	36	34
8	61	47	39	33	59	47	38	33	45	38	33	44	37	32	43	37	32	32	32	32	30
9	57	43	35	30	55	43	35	30	42	35	29	41	34	29	40	34	29	29	29	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	27	27	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2595	2595	2595
5°	2575	2744	2854
10°	2564	2956	3141
15°	2540	3115	3333
20°	2502	3201	3414
25°	2449	3208	3404
30°	2377	3152	3315
35°	2276	3034	3157
40°	2158	2884	2949
45°	2008	2731	2739
50°	1846	2605	2555
55°	1693	2520	2430
60°	1565	2492	2346
65°	1473	2532	2252
70°	1423	2581	2189
75°	1404	2625	2164
80°	1382	2695	2163
85°	1402	2770	2195

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 87.5°

Luminance: 3356 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.5	3.2
10°-20°	308.6	10.0
20°-30°	480.2	15.6
30°-40°	554.0	18.0
40°-50°	526.1	17.1
50°-60°	446.7	14.5
60°-70°	349.9	11.3
70°-80°	233.4	7.6
80°-90°	86.6	2.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	887.3	28.8
0°-40°	1441.3	46.7
0°-60°	2414.1	78.3
0°-90°	3084.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3084.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	964	964	964	964	964	
5°	953	988	1016	1045	1057	91
15°	912	1030	1118	1176	1196	257
25°	825	986	1080	1132	1146	379
35°	693	847	924	955	961	433
45°	528	657	718	725	720	407
55°	361	486	537	527	518	324
65°	231	354	398	366	354	231
75°	135	245	252	216	208	142
85°	45	102	90	74	71	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	964.5	964.5	964.5	964.5	964.5
2.5°	957.9	978.1	977.6	990.7	992.2
5°	953.4	988.2	1015.9	1045.1	1056.7
7.5°	947.4	1003.3	1054.2	1092.5	1108.6
10°	938.3	1016.4	1081.9	1130.8	1149.4
12.5°	926.2	1026.5	1104.6	1158.5	1177.7
15°	911.6	1029.5	1118.2	1175.6	1196.3
17.5°	893.9	1027.0	1122.2	1180.2	1199.8
20°	873.8	1019.4	1117.7	1173.6	1192.3
22.5°	851.1	1006.3	1103.6	1157.0	1175.1
25°	824.9	985.7	1080.4	1131.8	1146.4
27.5°	796.2	959.0	1050.7	1097.5	1108.6
30°	764.9	926.2	1014.4	1056.2	1066.8
32.5°	730.2	888.4	971.0	1007.8	1015.9
35°	692.9	846.6	923.7	954.9	961.0
37.5°	655.6	800.7	873.3	898.5	901.0
40°	614.3	753.4	820.9	840.5	839.5
42.5°	571.4	705.0	768.5	782.6	779.1
45°	527.6	657.1	717.6	725.1	719.6
47.5°	483.8	609.7	668.2	670.7	663.2
50°	440.9	565.4	622.3	619.3	610.2
52.5°	400.1	524.6	578.5	570.9	561.9
55°	360.8	485.8	537.2	526.6	518.0
57.5°	324.0	450.5	498.9	485.8	477.7
60°	290.8	416.2	463.1	447.5	435.9
62.5°	259.5	384.5	429.3	407.2	394.1
65°	231.3	354.3	397.6	366.3	353.7
67.5°	205.6	325.0	364.8	327.0	314.9
70°	180.9	298.3	328.0	289.2	278.2
72.5°	157.2	271.6	291.3	252.5	242.4
75°	135.0	244.9	252.5	216.2	208.1
77.5°	112.4	217.7	213.2	181.9	173.9
80°	89.2	183.9	173.9	146.1	139.6
82.5°	67.5	145.6	133.0	110.4	106.8
85°	45.4	101.8	89.7	73.6	71.1
87.5°	23.7	54.4	44.8	35.8	35.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)